

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

|                        |                                       |
|------------------------|---------------------------------------|
| Attorney Docket No.    | 1121C                                 |
| First Inventor         | Pramod B. Mahajan                     |
| Title                  | RuvB Polynucleotides and Uses Thereof |
| Express Mail Label No. | EL870383431US                         |

17157 U.S.PTO  
10782435

021804

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 76]  
*(preferred arrangement set forth below)*  
 - Descriptive title of the Invention  
 - Cross Reference to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table, or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (*if filed*)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C.113) [Total Sheets ]
5. Oath or Declaration [Total Sheets 2]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for a continuation/divisional with Box 18 completed)*  
 i.  **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**
**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450**

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*
- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:  
 i.  CD-ROM or CD-R (2 copies); or  
 ii.  Paper
- c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. 3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*
11.  English Translation Document (*if applicable*)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation       Divisional       Continuation-in-part (CIP)

of prior application No: 09 / 589,510

Prior application information: Examiner Ibrahim, Medina Ahmed

Art Unit: 1638

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**
 Customer Number 27310      OR       Correspondence address below

|         |           |          |  |     |
|---------|-----------|----------|--|-----|
| Name    |           |          |  |     |
| Address |           |          |  |     |
| City    | State     | Zip Code |  |     |
| Country | Telephone |          |  | Fax |

|                   |                       |                                   |                   |
|-------------------|-----------------------|-----------------------------------|-------------------|
| Name (Print/Type) | Virginia Dress        | Registration No. (Attorney/Agent) | 48,243            |
| Signature         | <i>Virginia Dress</i> | Date                              | February 18, 2004 |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1154)

## Complete if Known

|                      |                   |
|----------------------|-------------------|
| Application Number   |                   |
| Filing Date          | February 18, 2004 |
| First Named Inventor | Pramod B. Mahajan |
| Examiner Name        |                   |
| Art Unit             |                   |
| Attorney Docket No.  | 1121C             |

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money  Other  None  
 Order
 Deposit Account:

Deposit Account Number 16-1852

Deposit Account Name Pioneer Hi-Bred International, Inc.

## The Director is authorized to: (check all that apply)

- 
- Charge fee(s) indicated below
- 
- Credit any overpayments
- 
- 
- Charge any additional fee(s) during the pendency of this application
- 
- 
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

## Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description        | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 1001     | 770      | 2001     | 385      | Utility filing fee     | 770      |
| 1002     | 340      | 2002     | 170      | Design filing fee      |          |
| 1003     | 530      | 2003     | 265      | Plant filing fee       |          |
| 1004     | 770      | 2004     | 385      | Reissue filing fee     |          |
| 1005     | 160      | 2005     | 80       | Provisional filing fee |          |

## SUBTOTAL (1)

(\$ 770)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       | 27 | -20 ** | = | 7 | X | 18 | = | 126 |
|--------------------|----|--------|---|---|---|----|---|-----|
| Independent Claims | 6  | -3 **  | = | 3 | X | 86 | = | 258 |
| Multiple Dependent |    |        |   |   | X |    | = | 0   |

## Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  |
|----------|----------|----------|----------|--|
| 1202     | 18       | 2202     | 9        | Claims in excess of 20                                     |
| 1201     | 86       | 2201     | 43       | Independent claims in excess of 3                          |
| 1203     | 290      | 2203     | 145      | Multiple dependent claim, if not paid                      |
| 1204     | 86       | 2204     | 43       | ** Reissue independent claims over original patent         |
| 1205     | 18       | 2205     | 9        | ** Reissue claims in excess of 20 and over original patent |

## SUBTOTAL (2)

(\$ 384)

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee Code     | Fee (\$)     | Fee Code        | Fee (\$) |
| 1051         | 130          | 2051            | 65       |
| 1052         | 50           | 2052            | 25       |
| 1053         | 130          | 1053            | 130      |
| 1812         | 2,520        | 1812            | 2,520    |
| 1804         | 920*         | 1804            | 920*     |
| 1805         | 1,840*       | 1805            | 1,840*   |
| 1251         | 110          | 2251            | 55       |
| 1252         | 420          | 2252            | 210      |
| 1253         | 950          | 2253            | 475      |
| 1254         | 1,480        | 2254            | 740      |
| 1255         | 2,010        | 2255            | 1,005    |
| 1401         | 330          | 2401            | 165      |
| 1402         | 330          | 2402            | 165      |
| 1403         | 290          | 2403            | 145      |
| 1451         | 1,510        | 1451            | 1,510    |
| 1452         | 110          | 2452            | 55       |
| 1453         | 1,330        | 2453            | 665      |
| 1501         | 1,330        | 2501            | 665      |
| 1502         | 480          | 2502            | 240      |
| 1503         | 640          | 2503            | 320      |
| 1460         | 130          | 1460            | 130      |
| 1807         | 50           | 1807            | 50       |
| 1806         | 180          | 1806            | 180      |
| 8021         | 40           | 8021            | 40       |
| 1809         | 770          | 2809            | 385      |
| 1810         | 770          | 2810            | 385      |
| 1801         | 770          | 2801            | 385      |
| 1802         | 900          | 1802            | 900      |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

\*or number previously paid, if greater; For Reissues, see above

## SUBMITTED BY

## Complete (if applicable)

|                   |                |                                      |        |                   |                |
|-------------------|----------------|--------------------------------------|--------|-------------------|----------------|
| Name (Print/Type) | Virginia Dress | Registration No.<br>(Attorney/Agent) | 48,243 | Telephone         | (515) 270-4192 |
| Signature         | Virginia Dress |                                      | Date   | February 18, 2004 |                |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

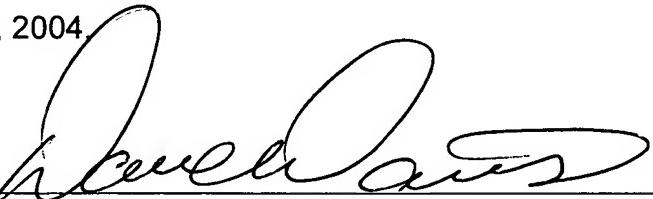
**Certificate of Mailing under 37 CFR 1.10**

**Express Mailing Label Number EL870383431US**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office to Addressee" Service in an envelope addressed to:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on February 18, 2004.



\_\_\_\_\_  
Signature

Dave Davis

\_\_\_\_\_  
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

- 1) Utility Patent Application Transmittal/1 Page (1 copy)
- 2) Fee Transmittal/1 Page (2 copies))
- 3) Application Data Sheet/2 Pages (1 copy)
- 4) Specification/71 Pages, 27 Claims/4 Pages, Abstract/1 Page (1 copy)
- 5) Declaration and Power of Attorney/2 Pages (1 copy)
- 6) Statement to Support Filing and Submission/2 Pages (1 copy)
- 7) Sequence Listing/19 Pages (1 Paper Copy & 1 Diskette)